

IN THE CLAIMS

The following listing of the claims will replace all prior listings of claims in the application. Inserted text is underlined, and deleted text is either struck through or shown in double enclosing brackets. Applicants aver that no new matter has been added and that all claimed elements are supported by Applicants' specification as originally filed.

1. (Currently Amended) A method comprising:
providing a trigger time point (T_n ; T_{n+1}) of a plurality of trigger time points within a multimedia signal,
the trigger time point (T_n ; T_{n+1}) corresponding to a segment of a plurality of segments of the multimedia ~~signal~~ signal,
each segment of the plurality of segments being identified by one of the plurality of trigger time points and corresponding to specific content to be shown to a user;
providing a representation of an action that corresponds to the specific content to be shown in the segment of the multimedia signal, ~~the trigger time point (T_n ; T_{n+1})~~;
where
the trigger time point (T_n ; T_{n+1}) ~~indicates~~ indicating a time point within the multimedia signal at which the action is to be triggered during a playback of the multimedia signal[[.]];
deriving a fingerprint based on the segment of the multimedia signal[[.]]; and
associating the derived fingerprint with the action.
2. (Previously Presented) The method according to claim 1, further comprising:
storing at least one of the derived fingerprint or the representation of the action in a first database.

3. (Previously Presented) The method according to claim 1, further comprising transmitting at least one of the derived fingerprint or the representation of the action to a playback device.
4. (Previously Presented) The method according to claim 1, wherein the trigger time point (T_n ; T_{n+1}) corresponds to at least one of a start of the segment, an end of the segment, a predetermined distance from the start of the segment, or a predetermined distance from the end of the segment.
- 5.-7. (Canceled)
8. (Currently Amended) The method according to claim 1, wherein the multimedia signal [[is]] includes at least one of an audio signal or a video signal.
9. (Previously Presented) The method according to claim 1, wherein the action is selected from a group consisting of:
- retrieving and displaying additional information on a display,
 - retrieving and playing additional information via a speaker,
 - playing another multimedia signal instead of the multimedia signal for a period of time,
 - interrupting the playback of the multimedia signal,
 - executing control commands, and
 - preparing a system for user inputs.
10. (Previously Presented) The method according to claim 2, further comprising storing at least one of the derived fingerprint or the representation of the action in a second database; and wherein the derived fingerprint is at least one of an audio fingerprint or a video fingerprint.

11. (Currently Amended) A device comprising:

a ~~microprocessor-controlled~~ fingerprint module implemented in hardware, the fingerprint module being configured to:

provide a trigger time point ($T_n; T_{n+1}$) of a plurality of trigger time points within a multimedia signal,

the trigger time point ($T_n; T_{n+1}$) corresponding to a segment of a plurality of segments of the multimedia signal,

each segment of the plurality of segments being identified by one of the plurality of trigger time points and corresponding to specific content to be shown to a user; and

~~for providing~~ provide a representation of an action that corresponds to the specific content to be shown in the segment of the multimedia signal, the trigger time point ($T_n; T_{n+1}$), where

the trigger time point ($T_n; T_{n+1}$) indicates indicating a time point within the multimedia signal at which the action is to be triggered during a playback of the multimedia signal[[,]]; and

~~the microprocessor-controlled fingerprint module being further configured to~~ derive a fingerprint based on the segment of the multimedia signal[[,]]; and

a ~~microprocessor-controlled~~ database module configured to associate the derived fingerprint with the action.

12. (Previously Presented) The device according to claim 11, further comprising:

a first database to store at least one of the derived fingerprint or the representation of the action.

13. (Currently Amended) The device according to claim 11, further comprising:

a transmitter to transmit at least one of the derived fingerprint or the representation of the action to a [[playback-device]] playback device.

14. (Previously Presented) The device according to claim 11, wherein
the trigger time point (T_n ; T_{n+1}) corresponds to at least one of a start of the segment, an
end of the segment, a predetermined distance from the start of the segment, or a
predetermined distance from the end of the segment.
- 15.-17. (Canceled)
18. (Currently Amended) The device according to claim 11, wherein
the multimedia signal [[is]] includes at least one of an audio signal or a video signal.
19. (Previously Presented) The device according to claim 11, wherein
the action is selected from a group consisting of:
retrieving and displaying additional information on a display,
retrieving and playing additional information via a speaker,
playing another multimedia signal instead of the multimedia signal for a period of
time,
interrupting the playback of the multimedia signal,
executing control commands, and
preparing the device for user inputs.
20. (Previously Presented) The device according to claim 12, further comprising
a second database to store at least one of the derived fingerprint or the representation of
the action; and wherein
the derived fingerprint is at least one of an audio fingerprint or a video fingerprint.

21. (Currently Amended) A non-transitory computer readable storage medium ~~having stored thereon comprising instructions for causing that, when executed, cause~~ one or more processors to execute ~~the method according to claim 1~~ operations comprising:

providing a trigger time point ($T_n; T_{n+1}$) of a plurality of trigger time points within a multimedia signal,

the trigger time point ($T_n; T_{n+1}$) corresponding to a segment of a plurality of segments of the multimedia signal,

each segment of the plurality of segments being identified by one of the plurality of trigger time points and corresponding to specific content to be shown to a user;

providing a representation of an action that corresponds to the specific content to be shown by the segment of the multimedia signal,

the trigger time point ($T_n; T_{n+1}$) indicating a time point within the multimedia signal at which the action is to be triggered during a playback of the multimedia signal;

deriving a fingerprint based on the segment of the multimedia signal; and
associating the derived fingerprint with the action.

22. (New) The method of claim 1, wherein:

the action corresponds to the specific content shown in only the segment among the plurality of segments of the multimedia signal.

23. (New) The method of claim 1, wherein:

the action corresponds to the specific content shown in the segment based on the content being relevant to only the segment among the plurality of segments of the multimedia signal.

24. (New) The system of claim 11, wherein:

the action corresponds to the specific content shown in only the segment among the plurality of segments of the multimedia signal.

25. (New) The system of claim 11, wherein:
the action corresponds to the specific content shown in the segment based on the content
being relevant to only the segment among the plurality of segments of the
multimedia signal.
26. (New) The non-transitory computer readable storage medium of claim 21, wherein:
the action corresponds to the specific content shown by only the segment among the
plurality of segments of the multimedia signal.
27. (New) The non-transitory computer readable storage medium of claim 21, wherein:
the action corresponds to the specific content shown by the segment based on the content
being relevant to the only segment among the plurality of segments of the
multimedia signal.